

## § 80.330

use any other available frequency on which attention might be attracted.

### § 80.330 Safety message.

(a) The safety signal and call must be followed by the safety message. Where practicable, the safety message should be sent on a working frequency, and a suitable announcement to this effect must be made at the end of the call.

(b) Except for the cases mentioned in paragraph (c) of this section, the safety signal when sent on the frequency 500 kHz must be transmitted toward the end of the first available silence period; the safety message must be transmitted immediately after the silence period.

(c) Messages about meteorological warnings, of cyclones, dangerous ice, dangerous wrecks, or any other imminent danger to marine navigation must be preceded by the safety signal.

(d) Stations hearing the safety signal must not make any transmission likely to interfere with the message.

### § 80.331 Bridge-to-bridge communication procedure.

(a) Vessels subject to the Bridge-to-Bridge Act transmitting on the designated navigational frequency must conduct communications in a format similar to those given below:

(1) This is the (name of vessel). My position is (give readily identifiable position, course and speed) about to (describe contemplated action). Out.

(2) Vessel off (give a readily identifiable position). This is (name of vessel) off (give a readily identifiable position). I plan to (give proposed course of action). Over.

(3) (Coast station), this is (vessel's name) off (give readily identifiable position). I plan to (give proposed course of action). Over.

(b) Vessels acknowledging receipt must answer "(Name of vessel calling). This is (Name of vessel answering). Received your call," and follow with an indication of their intentions. Communications must terminate when each ship is satisfied that the other no longer poses a threat to its safety and is ended with "Out".

(c) Use of power greater than 1 watt in a bridge-to-bridge station shall be

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limited to the following three situations:

(1) Emergency.

(2) Failure of the vessel being called to respond to a second call at low power.

(3) A broadcast call as in paragraph (a)(1) of this section in a blind situation, e.g., rounding a bend in a river.

### § 80.332 Equipment to aid search and rescue operations.

(a) Survival craft stations may transmit distress, urgency and safety signals, calls and messages.

(b) EPIRB's may transmit only in accordance with the requirements of subparts V and X of this part.

### § 80.333 Stations in the maritime mobile-satellite service.

The provisions of §§ 80.311 and 80.324 apply to the operations of ship earth stations in the maritime mobile-satellite service.

## Subpart H—Frequencies

### RADIOTELEGRAPHY

#### § 80.351 Scope.

The following sections describe the carrier frequencies and general uses of radiotelegraphy with respect to the following:

- Distress, urgency, safety, call and reply.
- Working.
- Digital selective calling (DSC).
- Narrow-band direct-printing (NB-DP).
- Facsimile.

#### § 80.353 General uses—radiotelegraphy.

(a) Unless otherwise indicated radiotelegraphy may be used by ship and public coast stations only.

(b) The signal code for Morse telegraphy must be the international Morse code signals specified in the Telegraph Regulations annexed to the International Telecommunication Convention.

(c) To facilitate communications, ship stations transmitting by means of radiotelegraphy must use the service abbreviations ("Q" signals) listed in Appendix 14 to the ITU Radio Regulations whenever practicable.

(d) In order to reduce interference stations must attempt to select calling frequencies which provide the most favorable propagational characteristics for effecting reliable communications.

(e) Coast stations may apply to use for telegraphy communications any additional coast station frequencies that are allocated for such communications in the 10–27500 kHz band that are not listed in this part. See the Table of Frequency allocations in §2.106 of this chapter. The use of such frequencies will be authorized initially with a six month provisional period.

(f) Radiotelegraphy stations communicating with a Government station may transmit on a Government frequency when authorized to do so by the Government station or agency if the emission, bandwidth and frequency tolerance of the non-Government station are within the same limits as the Government station.

**§ 80.355 Distress, urgency, safety, call and reply Morse code frequencies.**

This section describes the distress, urgency, safety, call and reply carrier frequencies assignable to stations for Morse code radiotelegraphy.

(a) *Frequencies in the 100–160 kHz band.* The international calling frequency in the 100–160 kHz band is 143 kHz using A1A or J2A emission. When a ship station operating in the 100–160 kHz band desires to communicate with a coast station, it must call on the frequency 143 kHz unless the International List of Coast Stations provides otherwise. Coast stations must reply on their normal working frequency in this band. Only individual calls, replies to such calls, and transmission of signals preparatory to traffic may be transmitted on 143 kHz.

(b) *Frequencies in the 405–535 kHz band.* (1) The international distress, urgency, safety, call and reply frequency used by ship and coast stations operating in the 405–525 kHz band is 500 kHz. A2A and A2B or H2A and H2B emissions are preferred for distress calls, distress traffic and for urgency and safety messages. For call and reply messages A1A or J2A emission must be used. In order to facilitate distress

communications routine correspondence transmissions on 500 kHz must be reduced to a minimum.

(2) In Region 2 and areas of heavy traffic ship stations must request coast stations to listen on the ship station's working frequencies.

(3) In areas where 500 kHz is used for distress a ship or coast station must use the supplementary calling frequency 512 kHz for routine calling and normally request a reply on its working frequency. The called station may reply on 512 kHz when requested to do so by the calling station.

(c) *Frequencies in the 2000–27500 kHz band—(1) Survival craft frequencies:* Survival craft operating on 8364 kHz must use A2A or H2A emission to establish communications related to search and rescue operations.

(2) *Ship station frequencies.* The following table describes the calling frequencies in the 4000–27500 kHz band which are available for use by authorized ship stations equipped with crystal controlled oscillators for A1A or J2A radiotelegraphy. There are two series of frequencies for worldwide use and two series of frequencies for each geographic region. Ship stations with synthesized transmitters may operate on every full 100 Hz increment in the 0.5 kHz channel for the frequencies listed, except for 100 Hz above and below those designated for worldwide use. During normal business hours when not communicating on other frequencies, all U.S. coast radiotelegraph stations must monitor the worldwide frequencies and the initial calling frequencies for the region in which it is located. The specific frequencies which must be monitored by a coast station will vary with propagation conditions. The calling frequencies which are routinely monitored by specific coast stations can be determined by reference to the ITU publication entitled "List of Coast Stations". Initial calls by ship stations must be made on the appropriate initial calling frequency first. Calls on the worldwide frequencies may be made only after calls on the appropriate initial calling frequency are unsuccessful.